

A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares. The grid is used for plotting the graph of the function $y = \frac{1}{2}x^2$.

LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 030139 b
LEASE OR PERMIT TO PROSPECT 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 65, Tunic, New Mexico
 Lessor or Tract Lynn B-1 Field NMFU State New Mexico
 Well No. 8 Sec. 27 T. 23 R. 36 Meridian NMFM County Lea
 Location 660 ft. (N) of N Line and 660 ft. (E) of E Line of Section 27 Elevation 3386

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date August 22, 1963 Title Dist. Supt.

The summary on this page is for the condition of the well at above date.

Commenced drilling 7-9 1963 Finished drilling 7-16 1963

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3580 to 3698 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
1 1/2	10.5	8	W. L. G.	10.5	1 1/2	10.5	10.5	10.5	10.5
2	12.5	8	W. L. G.	12.5	2	12.5	12.5	12.5	12.5
2 1/2	15.5	8	W. L. G.	15.5	2 1/2	15.5	15.5	15.5	15.5
3	18.5	8	W. L. G.	18.5	3	18.5	18.5	18.5	18.5
3 1/2	21.5	8	W. L. G.	21.5	3 1/2	21.5	21.5	21.5	21.5
4	24.5	8	W. L. G.	24.5	4	24.5	24.5	24.5	24.5
4 1/2	27.5	8	W. L. G.	27.5	4 1/2	27.5	27.5	27.5	27.5
5	30.5	8	W. L. G.	30.5	5	30.5	30.5	30.5	30.5
5 1/2	33.5	8	W. L. G.	33.5	5 1/2	33.5	33.5	33.5	33.5
6	36.5	8	W. L. G.	36.5	6	36.5	36.5	36.5	36.5
6 1/2	39.5	8	W. L. G.	39.5	6 1/2	39.5	39.5	39.5	39.5
7	42.5	8	W. L. G.	42.5	7	42.5	42.5	42.5	42.5
7 1/2	45.5	8	W. L. G.	45.5	7 1/2	45.5	45.5	45.5	45.5
8	48.5	8	W. L. G.	48.5	8	48.5	48.5	48.5	48.5
8 1/2	51.5	8	W. L. G.	51.5	8 1/2	51.5	51.5	51.5	51.5
9	54.5	8	W. L. G.	54.5	9	54.5	54.5	54.5	54.5
9 1/2	57.5	8	W. L. G.	57.5	9 1/2	57.5	57.5	57.5	57.5
10	60.5	8	W. L. G.	60.5	10	60.5	60.5	60.5	60.5
10 1/2	63.5	8	W. L. G.	63.5	10 1/2	63.5	63.5	63.5	63.5
11	66.5	8	W. L. G.	66.5	11	66.5	66.5	66.5	66.5
11 1/2	69.5	8	W. L. G.	69.5	11 1/2	69.5	69.5	69.5	69.5
12	72.5	8	W. L. G.	72.5	12	72.5	72.5	72.5	72.5
12 1/2	75.5	8	W. L. G.	75.5	12 1/2	75.5	75.5	75.5	75.5
13	78.5	8	W. L. G.	78.5	13	78.5	78.5	78.5	78.5
13 1/2	81.5	8	W. L. G.	81.5	13 1/2	81.5	81.5	81.5	81.5
14	84.5	8	W. L. G.	84.5	14	84.5	84.5	84.5	84.5
14 1/2	87.5	8	W. L. G.	87.5	14 1/2	87.5	87.5	87.5	87.5
15	90.5	8	W. L. G.	90.5	15	90.5	90.5	90.5	90.5
15 1/2	93.5	8	W. L. G.	93.5	15 1/2	93.5	93.5	93.5	93.5
16	96.5	8	W. L. G.	96.5	16	96.5	96.5	96.5	96.5
16 1/2	99.5	8	W. L. G.	99.5	16 1/2	99.5	99.5	99.5	99.5
17	102.5	8	W. L. G.	102.5	17	102.5	102.5	102.5	102.5
17 1/2	105.5	8	W. L. G.	105.5	17 1/2	105.5	105.5	105.5	105.5
18	108.5	8	W. L. G.	108.5	18	108.5	108.5	108.5	108.5
18 1/2	111.5	8	W. L. G.	111.5	18 1/2	111.5	111.5	111.5	111.5
19	114.5	8	W. L. G.	114.5	19	114.5	114.5	114.5	114.5
19 1/2	117.5	8	W. L. G.	117.5	19 1/2	117.5	117.5	117.5	117.5
20	120.5	8	W. L. G.	120.5	20	120.5	120.5	120.5	120.5
20 1/2	123.5	8	W. L. G.	123.5	20 1/2	123.5	123.5	123.5	123.5
21	126.5	8	W. L. G.	126.5	21	126.5	126.5	126.5	126.5
21 1/2	129.5	8	W. L. G.	129.5	21 1/2	129.5	129.5	129.5	129.5
22	132.5	8	W. L. G.	132.5	22	132.5	132.5	132.5	132.5
22 1/2	135.5	8	W. L. G.	135.5	22 1/2	135.5	135.5	135.5	135.5
23	138.5	8	W. L. G.	138.5	23	138.5	138.5	138.5	138.5
23 1/2	141.5	8	W. L. G.	141.5	23 1/2	141.5	141.5	141.5	141.5
24	144.5	8	W. L. G.	144.5	24	144.5	144.5	144.5	144.5
24 1/2	147.5	8	W. L. G.	147.5	24 1/2	147.5	147.5	147.5	147.5
25	150.5	8	W. L. G.	150.5	25	150.5	150.5	150.5	150.5
25 1/2	153.5	8	W. L. G.	153.5	25 1/2	153.5	153.5	153.5	153.5
26	156.5	8	W. L. G.	156.5	26	156.5	156.5	156.5	156.5
26 1/2	159.5	8	W. L. G.	159.5	26 1/2	159.5	159.5	159.5	159.5
27	162.5	8	W. L. G.	162.5	27	162.5	162.5	162.5	162.5
27 1/2	165.5	8	W. L. G.	165.5	27 1/2	165.5	165.5	165.5	165.5
28	168.5	8	W. L. G.	168.5	28	168.5	168.5	168.5	168.5
28 1/2	171.5	8	W. L. G.	171.5	28 1/2	171.5	171.5	171.5	171.5
29	174.5	8	W. L. G.	174.5	29	174.5	174.5	174.5	174.5
29 1/2	177.5	8	W. L. G.	177.5	29 1/2	177.5	177.5	177.5	177.5
30	180.5	8	W. L. G.	180.5	30	180.5	180.5	180.5	180.5
30 1/2	183.5	8	W. L. G.	183.5	30 1/2	183.5	183.5	183.5	183.5
31	186.5	8	W. L. G.	186.5	31	186.5	186.5	186.5	186.5
31 1/2	189.5	8	W. L. G.	189.5	31 1/2	189.5	189.5	189.5	189.5
32	192.5	8	W. L. G.	192.5	32	192.5	192.5	192.5	192.5
32 1/2	195.5	8	W. L. G.	195.5	32 1/2	195.5	195.5	195.5	195.5
33	198.5	8	W. L. G.	198.5	33	198.5	198.5	198.5	198.5
33 1/2	201.5	8	W. L. G.	201.5	33 1/2	201.5	201.5	201.5	201.5
34	204.5	8	W. L. G.	204.5	34	204.5	204.5	204.5	204.5
34 1/2	207.5	8	W. L. G.	207.5	34 1/2	207.5	207.5	207.5	207.5
35	210.5	8	W. L. G.	210.5	35	210.5	210.5	210.5	210.5
35 1/2	213.5	8	W. L. G.	213.5	35 1/2	213.5	213.5	213.5	213.5
36	216.5	8	W. L. G.	216.5	36	216.5	216.5	216.5	216.5
36 1/2	219.5	8	W. L. G.	219.5	36 1/2	219.5	219.5	219.5	219.5
37	222.5	8	W. L. G.	222.5	37	222.5	222.5	222.5	222.5
37 1/2	225.5	8	W. L. G.	225.5	37 1/2	225.5	225.5	225.5	225.5
38	228.5	8	W. L. G.	228.5	38	228.5	228.5	228.5	228.5
38 1/2	231.5	8	W. L. G.	231.5	38 1/2	231.5	231.5	231.5	231.5
39	234.5	8	W. L. G.	234.5	39	234.5	234.5	234.5	234.5
39 1/2	237.5	8	W. L. G.	237.5	39 1/2	237.5	237.5	237.5	237.5
40	240.5	8	W. L. G.	240.5	40	240.5	240.5	240.5	240.5
40 1/2	243.5	8	W. L. G.	243.5	40 1/2	243.5	243.5	243.5	243.5
41	246.5	8	W. L. G.	246.5	41	246.5	246.5	246.5	246.5
41 1/2	249.5	8	W. L. G.	249.5	41 1/2	249.5	249.5	249.5	249.5
42	252.5	8	W. L. G.	252.5	42	252.5	252.5	252.5	252.5
42 1/2	255.5	8	W. L. G.	255.5	42 1/2	255.5	255.5	255.5	255.5
43	258.5	8	W. L. G.	258.5	43	258.5	258.5	258.5	258.5
43 1/2	261.5	8	W. L. G.	261.5	43 1/2	261.5	261.5	261.5	261.5
44	264.5	8	W. L. G.	264.5	44	264.5	264.5	264.5	264.5
44 1/2	267.5	8	W. L. G.	267.5	44 1/2	267.5	267.5	267.5	267.5
45	270.5	8	W. L. G.	270.5	45	270.5	270.5	270.5	270.5
45 1/2	273.5	8	W. L. G.	273.5	45 1/2	273.5	273.5	273.5	273.5
46	276.5	8	W. L. G.	276.5	46	276.5	276.5	276.5	276.5
46 1/2	279.5	8	W. L. G.	279.5	46 1/2	279.5	279.5	279.5	279.5
47	282.5	8	W. L. G.	282.5	47	282.5	282.5	282.5	282.5
47 1/2	285.5	8	W. L. G.	285.5	47 1/2	285.5	285.5	285.5	285.5
48	288.5	8	W. L. G.	288.5	48	288.5	288.5	288.5	288.5
48 1/2	291.5	8	W. L. G.	291.5	48 1/2	291.5	291.5	291.5	291.5
49	294.5	8	W. L. G.	294.5	49	294.5	294.5	294.5	294.5
49 1/2	297.5	8	W. L. G.	297.5	49 1/2	297.5	297.5	297.5	297.5
50	300.5	8	W. L. G.	300.5	50	300.5	300.5	300.5	300.5
50 1/2	303.5	8	W. L. G.	303.5	50 1/2	303.5	303.5	303.5	303.5
51	306.5	8	W. L. G.	306.5	51	306.5	306.5	306.5	306.5
51 1/2	309.5	8	W. L. G.	309.5	51 1/2	309.5	309.5	309.5	309.5
52	312.5	8	W. L. G.	312.5	52	312.5	312.5	312.5	312.5
52 1/2	315.5	8	W. L. G.	315.5	52 1/2	315.5	315.5	315.5	315.5
53	318.5	8	W. L. G.	318.5	53	318.5	318.5	318.5	318.5
53 1/2	321.5	8	W. L. G.	321.5	53 1/2	321.5	321.5	321.5	321.5
54	324.5	8	W. L. G.	324.5	54	324.5	324.5	324.5	324.5
54 1/2	327.5	8	W. L. G.	327.5	54 1/2	327.5	327.5	327.5	327.5
55	330.5	8	W. L. G.	330.5	55	330.5	330.5	330.5	330.5
55 1/2	333.5	8	W. L. G.	333.5	55 1/2	333.5	333.5	333.5	333.5
56	336.5	8	W. L. G.	336.5	56	336.5	336.5	336.5	336.5
56 1/2	339.5	8	W. L. G.	339.5	56 1/2	339.5	339.5	339.5	339.5
57	342.5	8	W. L. G.	342.5	57	342.5	342.5	342.5	342.5
57 1/2	345.5	8	W. L. G.	345.5	57 1/2	345.5	345.5	345.5	345.5
58	348.5	8	W. L. G.	348.5	58	348.5	348.5	348.5	348.5
58 1/2	351.5	8	W. L. G.	351.5	58 1/2	351.5	351.5	351.5	351.5
59	354.5	8	W. L. G.	354.5	59	354.5	354.5	354.5	354.5
59 1/2	357.5	8	W. L. G.	357.5	59 1/2	357.5	357.5	357.5	357.5
60	360.5	8	W. L. G.	360.5	60	360.5	360.5	360.5	360.5
60 1/2	363.5	8	W. L. G.	363.5	60 1/2	363.5	363.5	363.5	363.5
61	366.5	8	W. L. G.	366.5	61	366.5	366.5	366.5	366.5
61 1/2	369.5	8	W. L. G.	369.5	61 1/2	369.5	369.5	369.5	369.5
62	372.5	8	W. L. G.	372.5	62	372.5	372.5	372.5	372.5
62 1/2	375.5	8	W. L. G.	375.5	62 1/2	375.5	375.5	375.5	375.5
63	378.5	8	W. L. G.	378.5	63	378.5	378.5	378.5	378.5
63 1/2	381.5	8	W. L. G.	381.5	63 1/2	381.5	381.5	381.5	381.5
64	384.5	8	W. L. G.	384.5	64	384.5	384.5	384.5	384.5
64 1/2	387.5	8	W. L. G.	387.5	64 1/2	387.5	387.5	387.5	387.5
65	390.5	8	W. L. G.	3					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8	323	200	Pump & Plug		
1-1/2	3730	300	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 3750 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

1 DATES

August 22	19 63	Put to producing	August 6	19 63
The production for the first 24 hours was	69	barrels of fluid of which	90	% was oil; %
emulsion; 10 % water; and	% sediment.	Gravity, °Bé.	32.5	
If gas well, cu. ft. per 24 hours		Gallons gasoline per 1,000 cu. ft. of gas		
Rock pressure, lbs. per sq. in.				

EMPLOYEES

Jackie Drilling Co., Inc., Driller _____, Driller _____
P.O. Box 430 _____, Driller _____, Driller _____

FORMATION RECORD

From—	To—	TOTAL FEET	FORMATION
0	1188	1188	Red Beds
1188	1383	95	Anhydrite
1383	2828	1445	Salt
2828	2965	137	Dolomite & Anhydrite
2965	3634	669	Dolomite, Sandstone & Anhydrite
3634	TD	96	Dolomite, Sandstone & Shale

TO 3730' L4, IF 10' AGL, LTV 3376' GEL. PAY 7-REPER & LERN 3578-3700'. W/P 33'.
 OUG FT 4 1/2" AT 3730'. PERFS: 3580-82', 3584-86', 3602-04', 3620-22', 3641-42',
 3644-46', 3656-3658', 3664-66', 3676-79', 3686-88', 3690-92', 3696-98' w/1 JSPF.
 TBT. PERFS 3580-3698' w/1500 GALS 15% LSTN ACID, 40,000 GALS SANDFILL USING 60,000
 LBS OF AND 2000 LBS "ROCKET MARK II" CHEMICAL COMPOUND. ON IF PL 62 BBLS OIL, 7
 BBLS WTR, WITH GAS AT RATE OF 179 MCF/D IN 24 HRS. GRAVITY 30.3. CP-610. TP-
 300. 16/64" CHOK, GOR 2887. EST DAILY ALLOW 40 BC. PL CORN TEXAS W/ MEXICO PL
 CO. SPUD 1 7-9-63, DRIL COMP 7-16-63, SIG RELEASED 7-17-63. TEST 8-6-63. TOP:
 RUSTLER 1188, SALT 1383 B/SALT 2828, YATES 2965, 7-REPER 3224, LUSON 3634. LOG
 COMPARISON: 3597 ON GR/JOHN LOG IS 3597 ON LATROLOG AND 3597 ON G/JOHN LOG.

